

CLAIMS

We claim:

- Sum*  
*033*
1. A method for presenting data on a user device comprising:
    - receiving a request from said user device for said data;
    - identifying presentation requirements of said user device; and
    - selecting a presentation scheme for said data in accordance with said presentation requirements wherein upon application of said presentation scheme to said data, new data presentable on said user device is generated.
  2. The method of Claim 1 further comprising:
    - applying said presentation scheme to said data to create said new presentable data.
  3. The method of Claim 2, wherein said applying said presentation scheme to said data is performed by said user device.
  4. The method of Claim 2 further comprising:
    - transmitting said new data to said user device to allow the presentation of said new data on said user device.
  5. The method of Claim 1 further comprising retrieving said data.
  6. The method of Claim 5 further comprising:
    - applying said presentation scheme to said retrieved data to create said new presentable data.

7. The method of Claim 1 wherein said request includes a command.

8. The method of Claim 7 wherein the command is  
5 selected from a group of commands consisting of load, save, article, and channel.

9. The method of Claim 7 wherein the command is a command article.

10. The method of Claim 7 wherein the command is a command channel.

11. A method for providing data to a user device  
15 comprising:

receiving a request from a user device generated by selection of a portlet identification object on the user device;

20 transferring said request to a portlet wherein said portlet retrieves data specified in said request over a network and further wherein said data has one format in a plurality of source data formats;

25 analyzing said request to determine a user data format that is supported by said user device; selecting a presentation scheme to convert said data from said source data format to said user data format; and

30 converting said data from said source data format to said user data format using said presentation scheme.

12. The method of Claim 11 said selecting a presentation scheme comprises selecting an XSL-  
35 stylesheet.

13. The method of Claim 11 wherein said plurality of source data formats are MIME types.

14. The method of Claim 11 wherein said user data  
5 format is specified by a MIME type.

15. The method of Claim 11 wherein said receiving is performed by a web server.

10 16. The method of Claim 11 wherein said transferring said request is performed by a portlet manager.

15 17. The method of Claim 11 wherein said request includes a command.

18. The method of Claim 17 wherein the command is selected from a group of commands consisting of load, save, article, and channel.

20 19. The method of Claim 17 wherein the command is a command article.

25 20. The method of Claim 17 wherein the command is a command channel.

21. A method for providing data to a user device comprising:

30 receiving a request from a user device generated by selection of a portlet identification object on the user device by a web server;

analyzing said request by said web server to determine whether said request is for content associated with a portlet;

35 transferring said request to a presentation manager upon determining that said request is for said content associated with a portlet;

passing said request to said portlet by said presentation manager wherein said portlet retrieves data specified in said request over a network and further wherein said data has a source

5 MIME type;

analyzing said request to identify a user MIME type;

selecting a presentation scheme from a plurality of presentation schemes based upon said user MIME type and said source MIME type; and

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converting said data from said source MIME type to said user MIME type using said presentation scheme.

15 22. The method of Claim 21 said selecting a presentation scheme comprises selecting an XSL-stylesheet.

20 23. The method of Claim 21 wherein said request includes a command.

24. The method of Claim 23 wherein the command is selected from a group of commands consisting of load, save, article, and channel.

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25. The method of Claim 21 wherein the command is a command article.

30 26. The method of Claim 21 wherein the command is a command channel.

27. A presentation manager server system comprising:

a web server;

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a presentation manager coupled to said web server;

at least one portlet coupled to said presentation manager.

28. The presentation manager server system of  
5 Claim 27 wherein said at least one portlet comprises a mail portlet.

29. The presentation manager server system of  
10 Claim 27 wherein said at least one portlet comprises a resource description framework portlet.

30. The presentation manager server system of  
15 Claim 27 wherein said at least one portlet comprises an internal network information portlet.

31. The presentation manager server system of  
Claim 27 further comprising a storage medium having  
stored thereon a plurality of presentation schemes.

20 32. The presentation manager server system of Claim 27 wherein said web server comprises a servlet container.

33. The presentation manager server system of  
25 Claim 27 wherein said presentation manager comprises a servlet.

34. The presentation manager server system of  
30 Claim 27 further comprising a plurality of user devices coupled to said web server.

35. A computer program product having stored  
thereon computer instructions for a method comprising:  
receiving a request from said user device for  
35 said data;  
identifying presentation requirements of said  
user device; and

selecting a presentation scheme for said data  
in accordance with said presentation requirements  
wherein upon application of said presentation  
scheme to said data, new data presentable on said  
user device is generated.

36. A computer program product having stored  
thereon computer instructions for a method comprising:  
receiving a request from a user device  
generated by selection of a portlet identification  
object on the user device;

transferring said request to a portlet  
wherein said portlet retrieves data specified in  
said request over a network and further wherein  
said data has one format in a plurality of source  
data formats;

analyzing said request to determine a user  
data format that is supported by said user device;

selecting a presentation scheme to convert  
said data from said source data format to said  
user data format; and

converting said data from said source data  
format to said user data format using said  
presentation scheme.

37. A computer program product having stored  
thereon computer instructions for a method comprising:  
receiving a request from a user device  
generated by selection of a portlet identification  
object on the user device by a web server;

analyzing said request by said web server to  
determine whether said request is for content  
associated with a portlet;

transferring said request to a presentation  
manager upon determining that said request is for  
said content associated with a portlet;

passing said request to said portlet by said  
presentation manager wherein said portlet  
retrieves data specified in said request over a  
network and further wherein said data has a source  
5 MIME type;

analyzing said request to identify a user  
10 MIME type;

selecting a presentation scheme from a  
plurality of presentation schemes based upon said  
user MIME type and said source MIME type; and

15 converting said data from said source MIME  
type to said user MIME type using said  
presentation scheme.